



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
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www.miamidade.gov/pera

NOTICE OF ACCEPTANCE (NOA)

Crowther Roofing and Sheet Metal of Florida, Inc.
2543 Rockfill Road
Fort Myers, FL. 33916

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Riffe Versaloc 1.5 16-oz Copper Panel over Plywood deck

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 5.

The submitted documentation was reviewed by Alex Tigera.



NOA No.: 11-1109.09
Expiration Date: 02/09/17
Approval Date: 02/09/12
Page 1 of 5

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels (Non-Structural)
Material: Copper
Deck Type: Wood
Maximum Design Pressure -159.25 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Riffe Versaloc 1.5 Copper Panel	Length: various Height: 1 1/2" Width: 12" - 20" (coverage) Thickness 16-oz	TAS 110	Corrosion resistant, 16-oz Copper, preformed, standing seam panels.
Riffe Versaloc Clip	Length: 3" Height: 1-1/2" Width: 1" Thickness 24 ga		Corrosion resistant, 24 gauge steel clip.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Technologies	HTL-018-02-01	TAS 100	05/29/09
Force Engineering & Testing Inc.	372-0409T-09A & B	TAS 125	12/08/09
Hurricane Test Laboratories	0527-1206-09	TAS 125	12/24/09

APPROVED ASSEMBLY:

System:	Riffe Versaloc 1.5 16-oz. Copper 16" wide panel
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction $1\frac{19}{32}$ " or greater plywood or wood plank, or for re-roofing $1\frac{15}{32}$ " or greater plywood.
Maximum Uplift Pressure:	See Table A below

Deck Attachment: In accordance with applicable Building Code, but in no case shall it be less than 8d annular ring shank nails spaced 6" o.c. In reroofing, where the deck is less than $1\frac{19}{32}$ " thick (Minimum $1\frac{15}{32}$ ") The above attachment method must be in addition to existing attachment.

Underlayment: Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 $\frac{1}{4}$ " annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll or any approved underlayment having a current NOA.

Fire Barrier Board: Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current published installation instructions and details in Riffe Metals LLC Association, Installation Manual.

Metal Panels and Accessories: Install the " Riffe Versaloc 1.5 16-oz. Copper 16" wide panel " including flashing penetrations, valleys, end laps and accessories in compliance "Riffe Metals LLC Association" current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.

Panels shall be secured along the male rib with approved clips and two corrosion resistant #10 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ ". The panel clips were placed at a spacing listed in Table A below starting 3" from panel end. The female rib of panel is installed over the male rib of panel. Panels are seamed as listed below in Table A.

TABLE A		
MAXIMUM DESIGN PRESSURES		
Roof Areas	Field	Perimeter and Corner¹
Maximum Design Pressures	82.25 psf	159.25 psf
Maximum Clip Spacing	16" o.c.	8" o.c.
Panel Seam	180° degrees	180° degrees

1. Extrapolation shall not be allowed



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LIMITATIONS

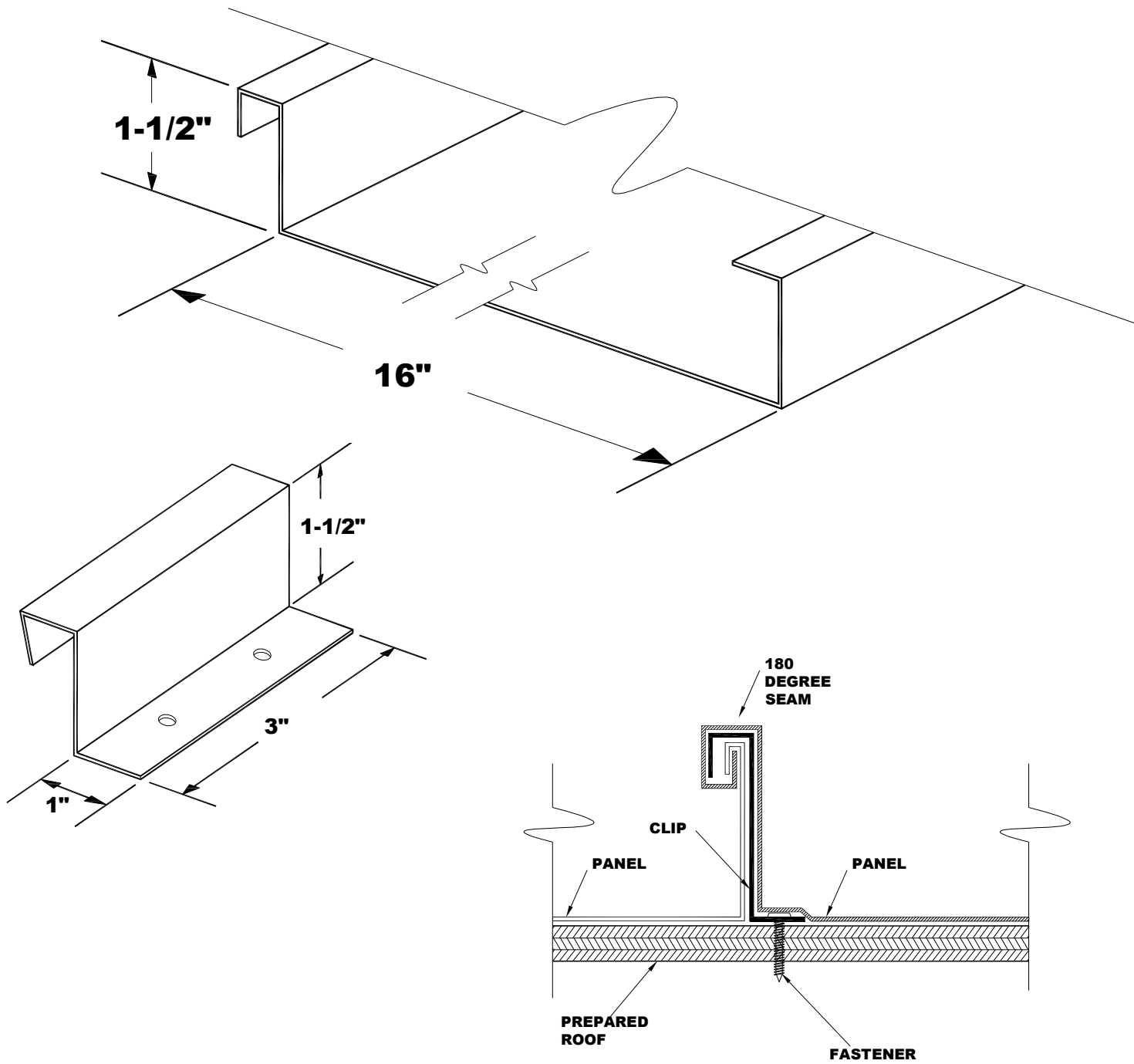
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. Panels may be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133
4. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved" **or** with the Miami-Dade County Product Control Seal as seen below. All clips shall be permanently labeled with the manufacturer's name and/or logo, and/or model.



5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.
6. Panels may be jobsite roll formed with machine model # **Q4110340 or 7090201** from Riffe Metals LLC.



PROFILE DRAWINGS



END OF THIS ACCEPTANCE



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